

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listing of claims in the application.

**Listing of Claims:**

1-13. Canceled.

14. (Currently Amended) An equipment ~~foref~~ handling a structure comprising:  
a plurality of columns arranged around a nuclear reactor building, said nuclear reactor building containing therein a reactor pressure vessel and a spent fuel pool,  
and having an opening portion above said reactor pressure vessel;

a beam crossing above said nuclear reactor building, ~~both ends of said beam~~  
~~being connected to said columns; and~~

hoisting columns arranged outside said nuclear reactor building; and

a lifting machine having a traveling device moving along said beam between  
said hoisting columns and said opening portion, a jack-type lifting device, said lifting  
machine being movable on said beam for elevating said reactor pressure vessel out  
of said nuclear reactor building through said opening portion, and a structure fixing  
said traveling device and said lifting device and having a space therein for allowing  
said reactor pressure vessel to be positioned inside said structure under the  
condition that said reactor pressure vessel is being lifted by said lifting device,

wherein said beam is supported by said plurality of columns and said hoisting columns, and arranged so that said lifting machine does not pass over said spent fuel pool.

15. (Currently Amended) An equipment of handling a structure according to claim 14, wherein a distance between a lowermost plane of said lifting device and an upper plane of said nuclear reactor building is greater~~longer~~ than a height of said reactor pressure vessel.

16. (Currently Amended) An equipment of handling a structure according to claim 14, which comprises a transporting machine movable along said column from the ~~ground~~ground level up to at least the height of said nuclear reactor building.

17. (Previously Presented) An equipment of handling a structure according to claim 14, wherein said beam is connected to said building at a position near said opening portion.

18. (Currently Amended) An equipment of handling a structure according to claim 14, wherein a total number of said columns is greater~~larger~~ than 6 and smaller than 16.

19. (Currently Amended) An equipment of handling a structure according to claim 14 , wherein said ~~lifting machine comprises a~~ traveling device ~~has~~ having a motive power for running on said beam.

20. (Previously Presented) An equipment of handling a structure according to claim 14 , wherein said lifting machine comprises a fixing mechanism for fixing said lifting machine onto said beam.

21-28. Canceled

29. (New) An equipment for handling a structure according to claim 14, wherein said spent fuel pool is not disposed under said beam between said hoisting columns and said opening portion of said nuclear reactor building.

30. (New) An equipment of handling a structure according to claim 14, wherein said spent fuel pool is not disposed under said beam.

31. (New) An equipment of handling a structure according to claim 14, wherein said beam is arranged so that said lifting machine travels on said beam in a direction that said lifting machine comes farther away from said spent fuel pool.